

Abstract of the Disclosure

A gas chromatograph is with a fluid control assembly for controlling flow and pressure of gas. The fluid control assembly includes a flow path, a control valve situated in the flow path and being capable of adjusting an opening degree thereof, a flow resistance provided in the flow path at a downstream side of the control valve, a differential pressure detecting device for detecting a differential pressure between two ends of the flow resistance, and a pressure detecting device for detecting pressure on an upstream side or a downstream side of the flow resistance. A control device carries out a predetermined calculation based on signals from the differential pressure detecting device and the pressure detecting device for controlling the opening degree of the control valve based on a result of the calculation. Thus, the fluid control assembly is applicable to either flow control or pressure control.